AMSAT News Service Weekly Bulletins
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AMSAT NEWS SERVICE
ANS-150

ANS is a free, weekly, news and information service of
AMSAT North America, The Radio Amateur Satellite Corporation.
ANS reports on the activities of a worldwide group of Amateur
Radio operators who share an active interest in designing,
building, launching and communicating through analog and
digital Amateur Radio satellites.

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* NOTICE *
* It is time to submit nominations for the upcoming open seats on *
* the AMSAT--NA Board of Directors. A nomination requires either *
* one Member Society or five current individual members to nominate *
* an AMSAT member for the position. Three director's terms expire *
* this year: Tom Clark, K3IO, Lou McFadin, W5DID and Gould Smith, *
* WA4SXM. Nominations must be in writing and mailed to: AMSAT, *
* 850 Sligo Ave #600, Silver Spring MD 20910. They can arrive no *
* later than June 15th. *
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Please send any amateur satellite news or reports to:
ans-editor@amsat.org

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SB SAT @ AMSAT $ANS-150.01
AMSAT Announces 2010 Space Symposium Will Be Near Chicago

AMSAT News Service Bulletin 150.01
>From AMSAT HQ SILVER SPRING, MD.
May 30, 2010
To All RADIO AMATEURS
BID: $ANS-150.01

MSAT Announces 2010 Space Symposium Will Be Near Chicago

AMSAT announces the 2010 AMSAT Space Symposium and Annual Meeting
will be held on Friday, October 8 through Sunday, October 10. This
year we have selected the Chicago/Elk Grove Holiday Inn which is
near O'Hare Airport for the event. This is the same hotel that
recently has hosted the Central States VHF Conference, Digital
Communications Conference and NIDXCC events.

All Amateur Radio Operators interested in space communications are
invited to participate in the Symposium offerings including:

+ Space Symposium with Amateur Satellite Presentations

+ Operating Techniques, News, & Plans from the Amateur Satellite World

+ Board of Directors Meeting open to AMSAT members

+ Meet Board Members and Officers

+ Annual General Membership Meeting

+ Annual Banquet-Keynote Speaker and Door Prizes

+ President's Club Reception

+ Area Coordinator's Breakfast

The Chicago/Elk Grove Holiday Inn is located at 1000 Busse Road,
Elk Grove, IL (near O'Hare Airport with free hourly shuttles).
The room rate and reservation information will be announced shortly.

Watch http://www.amsat.org/amsat-new/symposium/2010/index.php
for more news as it becomes available.

[ANS thanks AMSAT's 2010 Symposium Committee for the above information]

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SB SAT @ AMSAT $ANS-150.02
ARISSat-1 Latest Status

AMSAT News Service Bulletin 150.02
  From AMSAT HQ SILVER SPRING, MD.
May 30, 2010
To All RADIO AMATEURS
BID: $ANS-150.02

ARISSat-1 prototype and flight units underwent Thermal/Vacuum testing
in Orlando during the last week. Prototype ground station software for
telemetry collection was tested from a remote site. Additional flight
unit Thermal/Vacuum testing, Vibration testing and a Phase 3 Safety
Review are the next major milestones before shipment to Russia
in early July.

[ANS Thanks Gould, WA4SXM, for this latest information]

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SB SAT @ AMSAT $ANS-150.03
Thirteen Original Colonies Satellite Operators Wanted

AMSAT News Service Bulletin 150.03
  From AMSAT HQ SILVER SPRING, MD.
May 30, 2010
To All RADIO AMATEURS
BID: $ANS-150.03

Thirteen Original Colonies Satellite Operators Wanted

Dave, KB1PVH is heading up organizing a team of satellite operators
from each of the original colonies for the 13 Colonies special event
on July 4.

Dave is looking for is one operator from each of the 13 original col-
onies, NY-NJ-RI-GA-PA-NH-SC-VA-CT-DE-MD-NC, Dave, KB1PVH will be MA.

There is no pressure to work all passes, just do what you can and have fun.

Anyone interested in participating is invited to contact Dave via e-mail at kb1pvh@gmail.com. Additional information on the Special Event can be found at: http://www.13Colonies.info/

[ANS thanks Dave, KB1PVH for above information]

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SB SAT @ AMSAT $ANS-150.04
Museum Ships Weekend Special Event Station KK5W June 5, 2010

AMSAT News Service Bulletin 150.04
  From AMSAT HQ SILVER SPRING, MD.
May 30, 2010
To All RADIO AMATEURS
BID: $ANS-150.04

Museum Ships Weekend Special Event Station KK5W June 5, 2010

The Brazos Valley Amateur Radio Club (BVARC) will be participating in the Museum Ships Weekend event on June 5-6, 2010 from Pelican Island (IOTA NA-143) near Galveston, Texas. BVARC plans a full 2-day operation and will very likely be the only group in Museum Ships Weekend working OSCAR satellites.

It is expected that amateur radio operators will activate amateur radio stations on over 70 ships worldwide during the event. The BVARC operation from Seawolf Park will activate both the submarine USS Cavalla and the destroyer escort USS Stewart.

The planned operation on OSCAR satellites will take place on Saturday, June 5, 2010 on the 1550 UTC and 1731 UTC passes of SO-50, and on the 1931 UTC pass of AO-27. The call sign will be the BVARC club station KK5W. QSL with SASE to KK5W, Brazos Valley Amateur Radio Club, PO BOX 2997, Sugar Land, TX 77487-2997.

The Museum Ships Team has more information on their website: http://www.nj2bb.org/museum/index.html

Details of the Brazos Valley Amateur Radio Club operation are posted at: http://www.bvarc.org/index.php?page

[ANS thanks Allen Mattis, N5AFV for the above information]

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SB SAT @ AMSAT $ANS-150.05
Satellite Shorts From All Over

AMSAT News Service Bulletin 150.05
  From AMSAT HQ SILVER SPRING, MD.
May 30, 2010
To All RADIO AMATEURS
BID: $ANS-150.05

+ Toyoshige Kamei JA3SGR has requested reception reports from southern hemisphere stations of the 437.305 MHz beacon on the Amateur Radio satellite Negai launched May 21. Negai was built by students at the Soka University in Tokyo and is in a low inclination 30 degree orbit. Reports should be sent to the Soka University kuroki Laboratory via

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  e-mail: kurokilab.sokags@gmail.com

  Beacon Frequency 437.305 MHz
  Beacon is CW or FM (AFSK-FM AX25 Protocol)
  TX power 0.1W CW and 0.4W on FM Packet.

  Negai website In Google English including 2 Line Orbital Elements
  http://tinyurl.com/Negai

+ Bobby Lacey, KF4GTA was selected to be a part of the NASA STS-132
  Tweetup on May 14. He has posted his video of the Atlantis final
  scheduled launch to the ISS at: http://bit.ly/cPnA6o.

+ A YouTube video shows the mechanism for deploying four solar panels
  on a 2U CubeSat by using an electric motor:
  http://tinyurl.com/3xzs7oo (via SouthGate ARC)

+ Watch Keith Pugh W5IU, and Alan Biddle WA4SCA demonstrate satellite
  operation on HO-68 at the Dayton Hamvention. The YouTube videos can
  be viewed on the SouthGate site at: http://tinyurl.com/39zhje8.

+ Check out the amazing photo from ESA's Herschel Multi-tiered Extra-
  galactic Survey (HerMES) Key Project, which studies the evolution
  of galaxies in the distant, ancient Universe. Each of the dots on
  this photo is a galaxy: http://tinyurl.com/2vf92b2 (UniverseToday.com)

+ John, N4QQ is in PJ2 (Curacao) for an HF contest this weekend, and
  has his Arrow, and the AMSAT DXpedition loaner D7 with him. He plans
  on being active on the FM satellites Thursday, Friday, and the follow-
  ing Monday and Tuesday. No activity is expected over the weekend.
  John is an experienced satellite operator, but new to the FM satel-
  lites, so please give him a little room to put a somewhat rare DXCC
  entity on the air. Members of other DXpeditions interested in adding
  satellite operations to their events should contact Drew via e-mail
  at ko4ma@amsat.org for information on AMSAT's loaner gear.

[ANS thanks everyone for the above information]

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SB SAT @ AMSAT $ANS-150.06
Launch of Mars500 mission

AMSAT News Service Bulletin 150.06
  From AMSAT HQ SILVER SPRING, MD.
May 30, 2010
To All RADIO AMATEURS
BID: $ANS-150.06

On June 3rd, 2010, the Launch of Mars500 mission will begin in Moscow.

The first full-duration simulation of a human mission to Mars is about
to begin. After closing the hatch, the crew of six will remain in their
'spacecraft' for 520 days.

The 520-day simulated mission to Mars will start on 3 June, when the
isolation facility is sealed and the international crew start their
record-breaking experiment.

The crew will basically live and work like astronauts on the Interna-
tional Space Station, with maintenance work, scientific experiments
and daily exercise. They will follow a seven-day week, with two days
off, except when special and emergency situations are simulated.
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Ed. Note: Now here is an example of plenty of free time for the Astro-
nauts. A 2.4ghz Txmitter and a 1.2ghz RXcvr would go great to occupy
their time. Maybe Even a spacewalk to put up 2 umbrella type antennas
to communicate back to Earth. (They could use some short whips or small
beams on 2 and 435 for the Earth Bound simulation even talking through
AO-51)

There are six crewmembers plus a Russian backup: ESA-selected Diego
Urbina(Italian/Colombian, age 27) and Romain Charles (French, 31);
Sukhrob Kamolov (32), Alexey Sitev (38), Alexandr Smoleevskiy (33)
and Mikhail Sinelnikov (37) from Russia; and Wang Yue (26) from China.

Housed in Russia's Institute of Biomedical Problems (IBMP) in Moscow,
the 550 m[illegible] sealed space mockup includes an interplanetary spaceship,
a Mars lander and a martian landscape.

[ANS thanks Southgate for the above information]

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SB SAT @ AMSAT $ANS-150.07
2010 AMSAT Annual Meeting and Space Symposium - First Call for papers

AMSAT News Service Bulletin 150.07
>From AMSAT HQ SILVER SPRING, MD.
May 30, 2010
To All RADIO AMATEURS
BID: $ANS-150.07

2010 AMSAT Space Symposium and Annual Meeting - First Call for papers

This is the first call for papers for the 2010 AMSAT Space Symposium
and Annual Meeting to be held October 8 - 10 at the Chicago/Elk Grove
Holiday Inn which is near O'Hare Airport.

The Symposium Committee invites proposals for:

+ Papers for publication in the Proceedings

+ Symposium Presentations

+ Poster Presentations

+ Equipment and Operating Demonstrations

These can be on any topic of interest to the amateur satellite
community. We request a tentative title of your presentation as
soon as possible, with final copy submitted by September 1, 2010
for inclusion in the printed proceedings.

Abstracts and papers should be sent to JoAnne Maenpaa, K9JKM at
k9jkm@comcast.net.

[ANS thanks AMSAT's 2010 Symposium Committee for the above information]

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SB SAT @ AMSAT $ANS-150.08
ARISS Status - 24 May 2010

AMSAT News Service Bulletin 150.08

From AMSAT HQ SILVER SPRING, MD.
May 24, 2010
To All RADIO AMATEURS
BID: $ANS-150.08

1. School Contacts

The Wireless Institute of Australia (WIA) in Bayswater, Victoria, Australia was scheduled for an Amateur Radio contact with the International Space Station (ARISS) on Saturday, May 29 at 10:43 UTC via ON4ISS in Belgium. The WIA will held a special dinner to celebrate its centenary and has invited students from local schools in Canberra to make an ARISS school contact on that evening. It is anticipated that this dinner will be a high key event with Australia wide coverage.

Istituto Comprensivo Camaiore - Scuola Secondaria 1° Grado "M. Rosi," Camaiore, Italy has been scheduled for an Amateur Radio on the International Space Station (ARISS) contact on Saturday, June 5 at 10:21 UTC. Students participating in the contact have learned about space science, principles of radio communications and the benefits of space exploration and have prepared to use English in a real life situation.

2. ARISS Contact for Pita Kallak School

An Amateur Radio on the International Space Station (ARISS) contact was held between Pita Kallak School in Kuujjuaq, Quebec, Canada and on-orbit astronaut Timothy Creamer, KC5WKI on Thursday, May 20. Telebridge station ON4ISS in Belgium provided the connection. Some technical difficulties were encountered, but nine questions were answered during the session. In preparation for the contact, students learned about the ISS and amateur radio through video, the internet and guest speakers and created science related projects in the classroom.

3. ARISSat Presentation Available for Viewing

Gould Smith, WA4SXM gave a presentation on ARISSat-1 at the Dayton Hamvention, held over the May 14-16 weekend. His presentation has been posted to YouTube.
See: http://www.youtube.com/watch?v=DfSCw6VcU

4. ARRL QST Covers ARISS

The American Radio Relay League (ARRL) June QST carried an article by Steve Ford, WB8IMY titled, "Ground Control to Major Tom." The story was about ARISS and making general contacts with the ISS crew members. It started off with how ARISS is mainly to enhance youth STEM (Science, Technology, Engineering and Math) education, but that all amateur radio operators can have an ARISS contact. It talked about the types of contacts and included a picture of astronaut Mike Fincke. Then it talked about Richard Garriott and his SSTV (Slow Scan Television). The ARRL monthly journal has a circulation of 150,000.

5. Astronaut Training Status

Astronaut Don Pettit, KD5MDT had a productive ham radio training session review on May 19. He expects to be active with the amateur radio system while on the ISS and is currently assigned to Expedition 30.

6. ARISS Presented at Scout-O-Rama

"Scout-O-Rama" was held over the May 15 weekend in Wheaton, Illinois. ARISS Mentor John Spasojevich set up an exhibit about amateur radio and ARISS at this event.

[ANS thanks Carol, KB3LKI, for the above information]

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In addition to regular membership, AMSAT offers membership in the President's Club. Members of the President's Club, as sustaining donors to AMSAT Project Funds, will be eligible to receive additional benefits. Application forms are available from the AMSAT Office.

73,
This week's ANS Editor,
Dee Interdonato, NB2F